CLAIMS

1. An operating method of a heat pump apparatus in which a refrigerant is circulated through a compressor, a radiator, a first throttle apparatus, a heat exchanger, a second throttle apparatus and an evaporator in this order, wherein said heat exchanger is switched to a second evaporator or a second radiator by operating said first throttle apparatus, or both said first throttle apparatus and said second throttle apparatus.

2. A heat pump apparatus in the operating method of the heat pump apparatus according to claim 1, wherein said heat exchanger is used as said second radiator.

3. The heat pump apparatus according to claim 2, further comprising discharge pressure detecting means for detecting discharge pressure of the compressor, and throttle apparatus control means for controlling said first throttle apparatus and said second throttle apparatus using a detection value from said discharge pressure detecting means.

4. The heat pump apparatus according to claim 2, further comprising discharge temperature detecting means for detecting discharge temperature of the compressor, and throttle apparatus control means for controlling said first throttle apparatus and said second throttle apparatus using a detection value from said discharge temperature detecting means.

5. The heat pump apparatus according to any one of claims 2 to 4, further comprising air temperature detecting means for detecting inlet air temperature of said evaporator, and throttle apparatus control means for controlling said first throttle apparatus and said second throttle apparatus using a detection value from said air temperature detecting means.

6. The operating method of the heat pump apparatus according

to claim 1, wherein a high pressure side of said heat pump apparatus is operated as a supercritical state.

7. The operating method of the heat pump apparatus according to claim 1, wherein carbon dioxide is used as the refrigerant.